

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph on page 6, line 14 – page 7, line 3 with the following amended paragraph:

A monitoring system included in a computer based gateway, also referred to as a telephony intranet server (TIS), is arranged to monitor selected communication paths between Private Branch Exchanges (PBXs) and an external distributed network of computers, such as the Internet. Included in the TIS is a fault detector arranged to detect a particular fault that is then reported to a fault analyzer coupled thereto. The fault analyzer, in turn, ascertains whether or [[of]] not the detected fault is a reportable type fault based upon predetermined threshold and operation characteristics. An alarm report is then generated detailing location, type, time, and any other pertinent information regarding the detected fault. The alarm report is then transmitted, in a preferred embodiment, in real time to personnel whose responsibility it is to respond to and repair such faults using the information provided in the alarm report. Typically, the alarm report can be emailed using a standard SMTP email server, or the alarm report can be posted to a convention textual pager system. In any case, the alarm report substantially reduces the time involved in identifying, locating and ultimately repairing the detected fault.

Please replace the paragraph on page 10, line 20 – page 11, line 3 with the following amended paragraph:

Referring now to Fig. 2, a particular implementation of the TIS 210 in accordance with an embodiment of the invention is illustrated. The TIS 210 includes the NIC interface 215 that is arranged to receive received telephonic data from the network 212 and pass it to a packetizer 304 configured to packetize the received data into corresponding data packets. In those cases where the TIS 210 is coupled to, for example, an IP based network, a routing block 306 provides a destination address to each of the packets according to a dialed up destination configured by the originating device. Once

packetized and properly addressed, the packet is then passed to the IP network 212 that in some cases can be the Internet.